RioHD-LED-2
User Guide

www.favientertainment.com

Glossary

Introduction ---------- 1

Safety instructions ---------- 2

Getting started ---------- 3

Connecting a PC to your projector ---------- 7

Projector setup ---------- 8

Image adjustment ---------- 9

Menu settings ---------- 10

Troubleshooting ---------- 13

Specifications ---------- 15

Accessories ---------- 16

Warranty and support information ---------- 17

Warranty and support information

Your RioHD-LED-2 projector is guaranteed to be free of defects in material and workmanship for a period of 45 days from the date of receipt. Should your RioHD-LED-2 projector develop an issue requiring it to be repaired within this time frame, we will repair or exchange any defective or damaged unit at no cost to you. FAVI Entertainment will pay round trip shipping for warranty claims within the USA (excludes: HI, AK, APO, USA Territories, and international orders)

After 45 days has passed, your RioHD-LED-2 will then be covered under our parts warranty which is valid up to one year from the date of receipt. We will repair the unit, and bill you for a flat rate for labor and return shipping costs. You will not be billed for the cost of replacement parts.

FAQ’s and other support information can be found at:

http://www.favientertainment.com/help.asp

Accessories

The following accessories are included with your projector:

Remote control

VGA cable

A/V cable

DC power adapter

Power cord

This user guide

Introduction

The RioHD-LED-2 uses new LED based lamp technology to provide a projector small and light enough to be carried with one hand, yet bright enough for most everyday uses. The RioHD-LED-2 is designed with a number of features at an affordable price such as:

- No warm up time: Plug in the projector, turn it on, and it begins projecting almost immediately.
- Small size: At just over 8 inches wide and weighing under 3 pounds, the RioHD-LED-2 is designed with portability in mind.
- Low power consumption: Uses only 60 watts of electricity.
- Long lamp life: The RioHD LED-2's LED based lamp is rated for a life of 20,000 hours.

We hope that you enjoy using your new FAVI projector, and that it fulfills your home theater or business presentation needs.

Safety instructions

Do not operate this projector in an environment where the temperature is above 104 ºF. Doing so could damage your projector and void your warranty.

Do not expose this projector, or its power supply to liquids. If the projector's casing becomes dirty, use a damp soft cloth or paper towel to clean it.

While the projector is operating, do not look directly into the lens. Doing so could damage your eyes.

This projector should be placed on a stable surface prior to being operated.

This projector needs adequate ventilation in order to operate properly. Inadequate ventilation will cause the projector to overheat and shut down. Excessive overheating could damage the projector's internal optics.

Please unplug the projector from its power supply before cleaning it.

If you do not plan to use your projector for an extended period of time, or if an electrical storm develops, please unplug the projector. An electrical surge could damage your projector's power supply.

Specifications

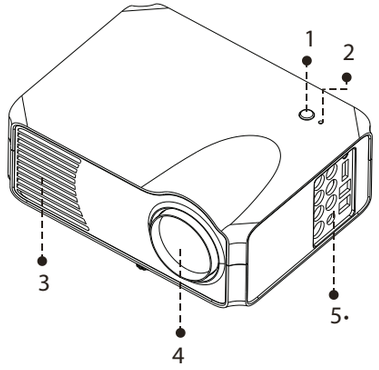
LCD	3.2" TFT LCD panel
LCD native resolution	640x480
Supported resolutions	640x480 up to 1920x1080
Video inputs	HDMI, VGA, Component (Y/Pb/Pr), S-Video, and Composite video.
Audio inputs	HDMI audio, and stereo line input jacks.
LED lamp power	50 watts
LED lamp life	20,000 hours
Projected image size	24 to 120 inches
Power consumption	60 watts
External power supply	19 V DC 3.7 Amps
Operating temperature	32 ºF ~ 100 ºF
Storage temperature	-4~140 º F
Operating humidity	10~90%
Size	8.07x6.29x2.75 inches
Weight	2.75 lbs

Troubleshooting (continued)

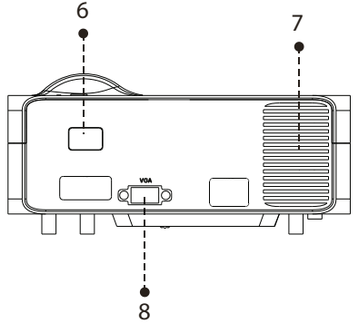
Problem:	Solution:
Small text is hard to read in VGA mode.	Set your desktop resolution to 800x600 or lower.
I can't get my desktop to appear in VGA mode.	First, check to make sure the projector is properly connected to your computer. Try shuting down your computer, connecting the projector, and rebooting. Your computer should automatically detect your projector. If you are running a dual display configuration, first check to make sure your computer is detecting your projector. Also make sure your desktop resolution is set at or below 1920x1080 with a 60 hertz refresh rate.

Getting started

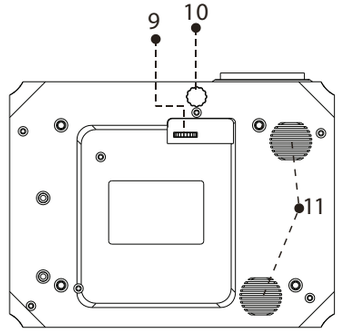
The following diagrams point out the features of your projector:



1: Power button
2: Indicator LED
3: Front ventilation slots
4: Lens
5: A/V and power input panel.



6: IR sensor
7: Rear ventilation slots
8: VGA input



9: Keystone adjustment wheel
10: Front height adjustment foot
11: Speakers

Getting started (continued)

Powering on/off your projector

After plugging your projector in, press the power button on either the remote control, or the projector. To turn the projector off, press the power button twice.

Selecting a video mode

Press the “AV/TV” button on the remote control to bring up the following menu screen:

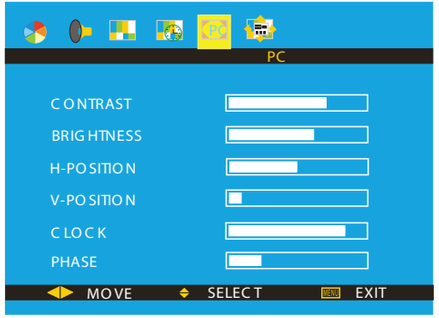
This menu screen will appear in the upper right hand corner of the image. Use the up and down arrow buttons to highlight the selection you want, then press the right arrow button to switch over to that video mode.

Troubleshooting

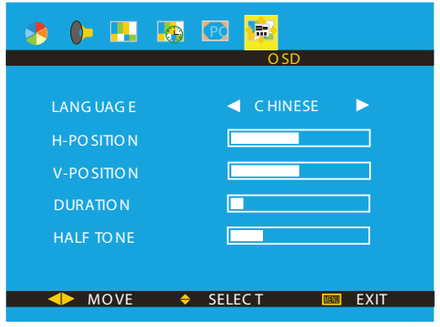
If you have any issues setting up or using your RioHD-LED-2, before contacting us please refer to the following troubleshooting guide:

Problem:	Solution:
Projector will not power on.	Make sure that the power supply is plugged in correctly. The power supply has a built in indicator LED which should glow when plugged in.
Projector powers up but only displays a screen that says “NO SYNC”.	Check your video source selection and video cable connections.
I can’t get the projector to change from one video mode to another.	Make sure you are pressing the right navigation arrow button to select the video mode that you want. Pressing the MENU button will only close the source selection menu.
I connected my projector to my stereo with an adapter cable, and the sound is distorted.	Try setting the projector’s volume to 50% or lower, and use your stereo’s volume control to adjust the volume.

Menu settings (continued)



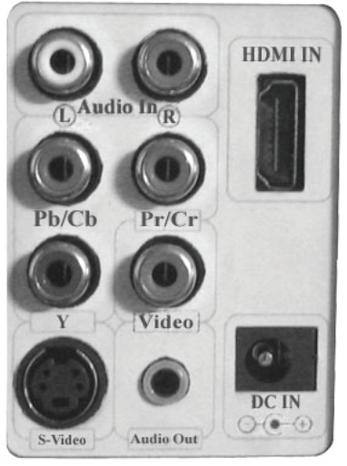
This menu screen is only available in the VGA video mode. When switching to VGA mode, the projector will automatically calibrate the image upon receiving a VGA signal. This menu screen allows you to adjust some of these calibration settings.



The OSD menu screen allows you to adjust the settings for the menu itself. The “LANGUAGE” setting will change the menu language from English to Chinese, German, French, Spanish, Itallian, Portuguese, or Russian. The “H-POSITION”, and“V-POSITION” settings change the menu screen’s position. The “DURATION” setting changes how long the menu will stay on the screen without user input before automatically closing. The “HALFTONE” setting adjusts the transparency of the menu screen. The “MEMORY RECALL” setting will reset all the menu settings back to their factory defaults.

Getting started (continued)

Here is a picture of your projector’s A/V and power input panel. The connectors are all labeled, and are self explainatory.



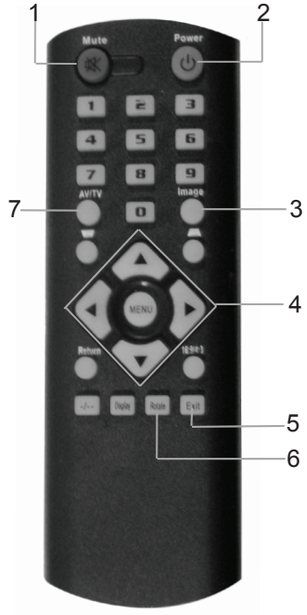
If you want the best possible image clarity, use the Component (Y/Pb/Pr) jacks, or the HDMI port. If you want to make use of the 16:9 downsampling, or you have a device that only supports Composite or S-Video, then you should use either the Composite (Video) jack, or the S-Video jack.

The stereo line audio jacks at the top of the panel are used by the Composite, Component, and S-Video jacks. The HDMI standard has audio integrated with the video. HDMI audio is independent of the line audio jacks.

The Audio Out jack allows you to connect your projector to either a pair of headphones, amplified computer speakers, or a stereo system. You may need a headphone adapter cable (not included) to connect your projector to a stereo system.

Getting started (continued)

The remote control that comes with your projector is also used for other models, some of which have different sets of features. The image below points out which buttons activate features on your projector.



1: Mute button.

2: Power buitton.

3: image preset select button.

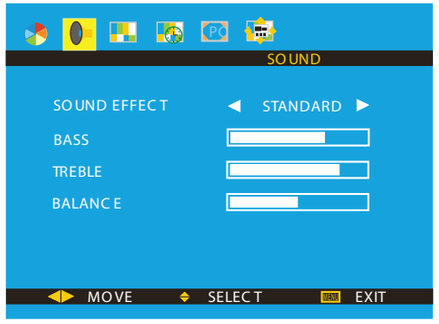
4: Menu button, and navigation arrow buttons.

5: Exit button. (Press to exit from any menu screen)

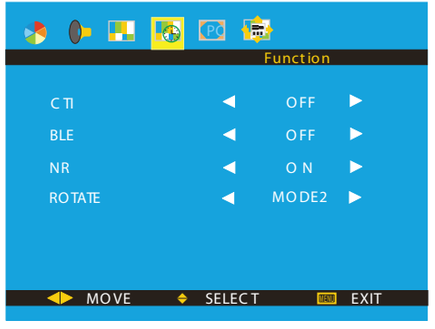
6: Image flip button.

7: AV/TV button. (Brings up the source selection menu)

Menu settings (continued)



The sound menu screen allows you to adjust settings such as treble, bass, and balance. You can choose between several presets, or customize the audio settings to your liking.



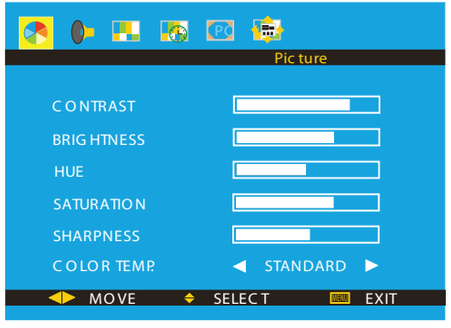
The function menu allows you to activate the advanced picture settings such as Color Transient Improvement (CTI), Black level extender (BLE), and digital noise reduction (NR). You can also flip the projected image both horizontally and vertically.

Menu settings

Pressing the “MENU” button on the remote control will bring up the projector’s menu screen. The four arrow buttons around the “MENU” button are used to navigate through the menu. Use the left and right arrow buttons to select the menu screen you want. The up and down arrow buttons will select the feature that you want to adjust. The feature you select will be highlighted in the menu screen. Some features or menu screens may not be available depending on which video mode you have the projector set to.

After you have adjusted a setting, you can press the “MENU” button to return to the menu screen selection. Press the “MENU” button again to exit the menu.

This is what the picture menu screen looks like:



In this menu screen, you can adjust the brightness, contrast, hue, color saturation level, sharpness, and color temperature. The hue control may be unavailable in Component and HDMI mode. This is because Component and HDMI supports multiple video modes. The hue control is a leftover from the days of NTSC, and is only available in the NTSC video modes.

Connecting a PC to your projector

There are several ways to connect your PC to your projector. The simplest method is to enable the TV out feature on your PC’s video card (if supported), and use either Composite, S-Video, or Component video cables. For PC’s that do not have a TV out feature, you can connect your PC to the projector’s built in VGA port located on the rear of the projector.

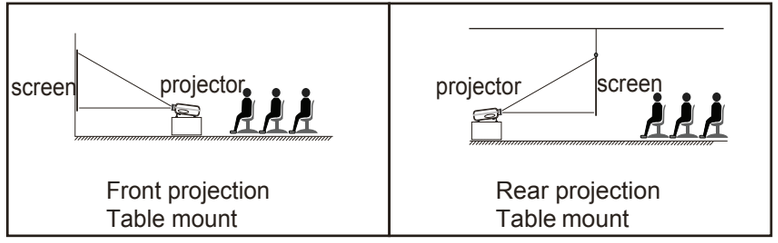
If your PC’s video card has a DVI or HDMI port, you can also use an HDMI cable to connect your PC to your projector’s HDMI port. For PC video cards that only have a DVI port, a DVI to HDMI adapter (not included) is also required.

Your projector supports a 60 hertz refresh rate. Higher refresh rates are not supported.

Recommended resolution settings:
640x480 800x600 1024x768
Supported resolutions: (Small text may appear blurred or unreadable at these resolutions)
1280x720 1280x960 1360x765 1600x900 1920x1080

Projector setup

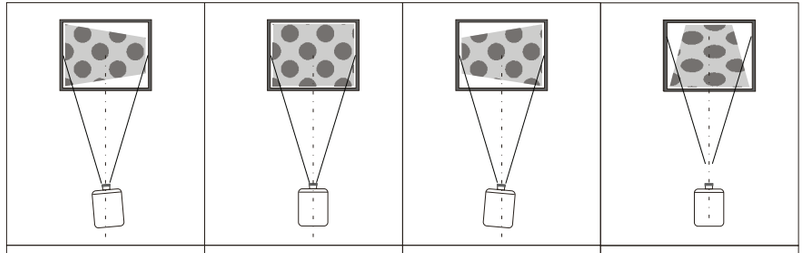
The following diagrams are examples of how your projector can be set up for use.



Front projection
Table mount

Rear projection
Table mount

For the best image results, the projector should be directly facing the screen. Adjustments to the focus and keystone controls will help to improve the image quality.

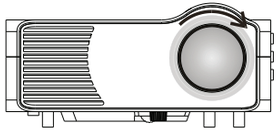


The projector is angled too far to the left	The projector is set up correctly.	The projector is angled too far to the right.	The projector's keystone control needs to be adjusted.

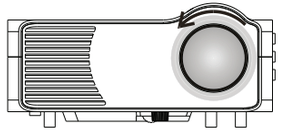
Image adjustment

Focus adjustment

Rotating the lens clockwise will make it retract into the projector, while rotating it counter clockwise will make it extend.



（1）



（2）

Keystone correction

After setting up your projector and powering it on, the image may look trapezoid shaped even after the projectopr is properly positioned. You can adjust the keystone adjustment wheel to correct the image. The keystone adjustment wheel is located on the bottom of your projector. (Please see page 3) Gently move the wheel either left or right to adjust the keystone correction.

Front height foot adjustment

Rotating the front height adjustment foot counter clockwise will allow the foot to extend, and will raise the front height of the projector. The foot's maximum extension is 1.5 inches. Continuing to rotate it will remove the foot from the projector. If this happens, you can simply screw it back in. Once you have adjusted the front height, you may need to readjust the keystone correction.